

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092923\
 Data File : VX037963.D
 Acq On : 29 Sep 2023 09:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/30/2023
 Supervised By : Mahesh Dadoda 10/02/2023

Quant Time: Sep 29 22:59:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	243483	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	391960	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	378069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	223339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	162091	50.669	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.340%			
35) Dibromofluoromethane	5.385	113	141802	54.069	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.140%			
50) Toluene-d8	8.647	98	526347	54.014	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.020%			
62) 4-Bromofluorobenzene	11.079	95	207947	58.725	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.440%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	101619	39.596	ug/l	99
3) Chloromethane	1.295	50	121491	43.509	ug/l	99
4) Vinyl Chloride	1.374	62	140772	46.730	ug/l	98
5) Bromomethane	1.599	94	111124	51.527	ug/l	99
6) Chloroethane	1.685	64	97532	46.996	ug/l	99
7) Trichlorofluoromethane	1.886	101	244939	50.575	ug/l	99
8) Diethyl Ether	2.130	74	92313	49.199	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.325	101	123191	50.121	ug/l	96
10) Methyl Iodide	2.453	142	159036	48.894	ug/l	91
11) Tert butyl alcohol	2.959	59	143206	208.555	ug/l	# 91
12) 1,1-Dichloroethene	2.319	96	117904	49.636	ug/l	82
13) Acrolein	2.233	56	148537	218.967	ug/l	99
14) Allyl chloride	2.660	41	188558	47.661	ug/l	# 96
15) Acrylonitrile	3.062	53	356358	233.419	ug/l	99
16) Acetone	2.374	43	398225	258.770	ug/l	92
17) Carbon Disulfide	2.514	76	296861	49.846	ug/l	100
18) Methyl Acetate	2.703	43	252247	45.438	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	421962	48.290	ug/l	99
20) Methylene Chloride	2.788	84	144764	50.882	ug/l	# 87
21) trans-1,2-Dichloroethene	3.087	96	138342	52.449	ug/l	89
22) Diisopropyl ether	3.757	45	403220	48.930	ug/l	# 89
23) Vinyl Acetate	3.721	43	1499436	247.369	ug/l	# 95
24) 1,1-Dichloroethane	3.605	63	241055	48.814	ug/l	98
25) 2-Butanone	4.550	43	520730	239.785	ug/l	91
26) 2,2-Dichloropropane	4.477	77	200730	50.306	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	163278	50.493	ug/l	90
28) Bromochloromethane	4.891	49	99153	43.039	ug/l	# 79
29) Tetrahydrofuran	5.001	42	304786	225.632	ug/l	88
30) Chloroform	5.093	83	266914	50.174	ug/l	99
31) Cyclohexane	5.471	56	207249	50.476	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	232451	51.606	ug/l	98
36) 1,1-Dichloropropene	5.690	75	192751	53.352	ug/l	96
37) Ethyl Acetate	4.709	43	188889	47.558	ug/l	96
38) Carbon Tetrachloride	5.678	117	204453	54.087	ug/l	98
39) Methylcyclohexane	7.379	83	246400	53.737	ug/l	93
40) Benzene	6.038	78	572606	51.540	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	97190	47.991	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	202416	50.409	ug/l	96
43) Isopropyl Acetate	6.336	43	306787	48.306	ug/l #	95
44) Trichloroethene	7.123	130	159708	51.620	ug/l	99
45) 1,2-Dichloropropane	7.428	63	147922	51.270	ug/l	100
46) Dibromomethane	7.580	93	109741	52.877	ug/l	92
47) Bromodichloromethane	7.818	83	204059	53.386	ug/l	97
48) Methyl methacrylate	7.690	41	151664	49.956	ug/l #	88
49) 1,4-Dioxane	7.653	88	71303	895.851	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	974570	241.867	ug/l	95
52) Toluene	8.720	92	384553	53.708	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	224752	56.235	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	241658	54.634	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	159858	52.955	ug/l	98
56) Ethyl methacrylate	9.116	69	232850	51.668	ug/l	91
57) 1,3-Dichloropropane	9.305	76	252804	51.751	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	444120	211.045	ug/l	97
59) 2-Hexanone	9.427	43	792318	252.550	ug/l	93
60) Dibromochloromethane	9.519	129	168898	56.163	ug/l	99
61) 1,2-Dibromoethane	9.610	107	171671	53.711	ug/l	99
64) Tetrachloroethene	9.275	164	138441	53.693	ug/l	97
65) Chlorobenzene	10.080	112	426595	52.311	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	154651	53.513	ug/l	99
67) Ethyl Benzene	10.195	91	757891	53.604	ug/l	98
68) m/p-Xylenes	10.299	106	598782	109.599	ug/l	96
69) o-Xylene	10.640	106	293702	53.609	ug/l	96
70) Styrene	10.653	104	492865	56.037	ug/l	95
71) Bromoform	10.799	173	129752	56.834	ug/l #	100
73) Isopropylbenzene	10.964	105	771113	47.061	ug/l	98
74) N-amyl acetate	10.842	43	298646	45.005	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	257584	44.699	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	231405m	44.797	ug/l	
77) Bromobenzene	11.195	156	196816	48.530	ug/l	86
78) n-propylbenzene	11.305	91	929546	50.233	ug/l	99
79) 2-Chlorotoluene	11.366	91	538008	47.153	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	673089	48.643	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	76485	47.431	ug/l	88
82) 4-Chlorotoluene	11.457	91	636827	49.577	ug/l	95
83) tert-Butylbenzene	11.713	119	662656	47.383	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	673862	48.946	ug/l	96
85) sec-Butylbenzene	11.890	105	860894	50.741	ug/l	99
86) p-Isopropyltoluene	12.006	119	729171	51.584	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	385807	51.034	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	391557	50.615	ug/l	97
89) n-Butylbenzene	12.329	91	695587	56.171	ug/l	97
90) Hexachloroethane	12.536	117	122659	51.213	ug/l	85
91) 1,2-Dichlorobenzene	12.335	146	378777	49.074	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	52954	46.100	ug/l	73
93) 1,2,4-Trichlorobenzene	13.585	180	254053	55.877	ug/l	97
94) Hexachlorobutadiene	13.725	225	114761	54.051	ug/l	99
95) Naphthalene	13.774	128	772003	50.206	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	248216	53.050	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

